

**Study Number:** MOG10866  
**Test Type:** MOG - Range Finding  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I04G: Mean Body Weight Gain**  
**Test Compound:** Isopropylated Phenyl Phosphate  
**CAS Number:** 68937-41-7

**Date Report Requested:** 02/22/2021  
**Time Report Requested:** 07:22:32  
**Lab:** Battelle

**Study Number:** MOG10866  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.1.7

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F0 Females

Treatment Groups (ppm)

Phase	Days	0		1000		3000		10000		15000		30000	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	6 - 9	15.6 ± 1.6 **	15	13.2 ± 1.6	21	3.4 ± 2.1 **	12	-11.2 ± 1.2 **	16	-20.3 ± 2.3 **	12	-34.9 ± 1.3 **	10
	9 - 12	12.4 ± 0.7 **	15	12.9 ± 0.8	21	9.1 ± 1.1	12	1.4 ± 1.4 **	16	-7.7 ± 1.7 **	12	-20.9 ± 2.6 **	10
	12 - 15	26.6 ± 1.5 **	15	22.1 ± 1.5 *	21	17.4 ± 2.0 **	12	17.1 ± 1.5 **	16	8.7 ± 2.1 **	12	NR	
	15 - 18	29.8 ± 2.3 **	15	30.4 ± 2.4	21	32.6 ± 2.6	12	23.1 ± 3.0	16	14.3 ± 5.0 **	12	NR	
	18 - 21	45.4 ± 4.0 **	12	45.6 ± 2.8	17	42.8 ± 3.9	10	32.5 ± 3.2 *	7	21.0 ± 2.0 **	11	NR	
	6 - 21	128.2 ± 9.4 **	12	124.8 ± 7.9	17	106.9 ± 9.7	10	62.0 ± 8.8 **	7	15.2 ± 12.3 **	11	NR	
Lactation	1 - 4	10.7 ± 2.1	12	3.3 ± 2.6	17	7.1 ± 2.1	12	4.4 ± 4.0	13	NR		NR	
	4 - 7	13.9 ± 2.1	12	7.8 ± 2.1	17	8.5 ± 2.0	12	7.4 ± 2.2	11	NR		NR	
	7 - 10	4.5 ± 3.4	12	7.2 ± 2.8	17	8.0 ± 2.3	12	2.7 ± 5.4	11	NR		NR	
	10 - 14	-14.5 ± 7.2 *	12	-2.7 ± 4.9	17	-1.3 ± 2.7	12	4.6 ± 3.7 *	11	NR		NR	
	14 - 17	-1.3 ± 6.1	12	13.4 ± 3.3 *	17	9.5 ± 3.4	12	3.6 ± 2.4	11	NR		NR	
	17 - 21	5.0 ± 5.3	12	-7.4 ± 3.7 *	17	-0.7 ± 1.6	12	0.2 ± 2.5	11	NR		NR	
	21 - 24	-7.1 ± 2.3 **	12	-5.6 ± 2.7	17	-3.4 ± 1.6	12	5.2 ± 2.9 **	11	NR		NR	
	24 - 28	-12.4 ± 2.3 **	12	-11.7 ± 1.7	17	-2.8 ± 1.9 **	12	1.9 ± 2.2 **	11	NR		NR	
	1 - 28	-1.2 ± 2.5 **	12	4.3 ± 3.1	17	24.9 ± 3.6 **	12	34.3 ± 4.9 **	11	NR		NR	

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**F1 Males**

**Treatment Groups (ppm)**

Phase	Days	0		1000		3000	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	35 - 42	48.5 ± 0.9 **	32 (7)	44.7 ± 1.0	60 (16)	40.3 ± 1.8 **	17 (7)
	42 - 49	47.2 ± 0.5 **	32 (7)	42.0 ± 1.4	60 (16)	39.9 ± 1.2 **	17 (7)
	35 - 49	95.8 ± 1.1 **	32 (7)	86.7 ± 2.0 *	60 (16)	80.2 ± 2.8 **	17 (7)

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**F1 Females**

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**Treatment Groups (ppm)**

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Phase	Days	0		1000		3000	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	35 - 42	30.6 ± 0.7	38 (10)	29.9 ± 0.7	43 (14)	28.4 ± 0.2	23 (7)

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## LEGEND

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Data are displayed as mean  $\pm$  SEM

GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day

In multigenerational studies, body weights reported for all animals until mating; pregnant animals only during gestation and lactation; all animals post-weaning.

Statistical analysis for F0 animals performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical analysis for the F1 generation was performed using mixed models, with litter as a random effect for both trend and pairwise tests, and using Dunnett-Hsu adjustment for multiple comparisons.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

The 30,000 ppm group was terminated on GD12, and the 15,000 ppm group was terminated by LD3/PND3 due to excessive toxicity.

Three dams were removed from the control, 1,000, and 10,000 ppm groups for biological sample collection on GD18, and one pup per sex was selected from each of three dams from the 0 and 1,000 ppm groups on PND4.

NR not recorded

**\*\* END OF REPORT \*\***